

B. Clean Specification Changes

Please replace paragraph(s) starting at page 17, line 6 and ending at page 17, line 10 with the following paragraph(s):

A1
As described above, if AP signatures are mapped with the scrambling codes, each of the 16 scrambling codes are different from one another. The respective scrambling codes $SC\#i$ have a channelization OVSF code tree. Accordingly, the channelization code of a data part (C_d) and a control part (C_c) in a message part is selected in the channelization OVSF code tree of the respective scrambling code.

Please replace paragraph(s) starting at page 17, line 13 and ending at page 18, line 5 with the following paragraph(s):

A2
Referring to Figure 7a, in an OVSF code tree of each scrambling code, a channelization code C_d of the data part is selected from the codes having spreading factors 4 ~ 256 in a direction of an up branch $C_{SF,0}$ or $C_{SF,SF/2}$ from a node $C_{2,0}$ or $C_{2,1}$ having a spreading factor of 2. Additionally, a code $C_{256,127}$ or $C_{256,255}$, which is located last in a direction of a down branch, i.e., a code having a spreading factor of 256, is selected as a channelization code C_c of the control part. The (n)th channelization code with a spreading factor SF can also be written $C_{ch,SF,n}$.

A²
Referring to Figure 7b, a code $C_{256,0}$ or $C_{256,128}$, which is located last in a direction of an up branch from a node having a spreading factor of 2 is selected as a channelization code C_c of the control part. Additionally, a lower node of two nodes having a spreading factor of 4 generated from a node having a spreading factor of 2 is selected and one of codes having spreading factors 4 ~ 256 in a direction of an up branch $C_{SF,SF/4}$, $C_{SF,3*SF/4}$ of the selected node is selected as a channelization code C_d of the data part.

Please replace paragraph(s) starting at page ¹⁹18, line 18 and ending at page 18, line 18 with the following paragraph(s):

A³
The number of scrambling codes = $\frac{32}{SF_{\min}}$ (1)

Please replace paragraph(s) starting at page 20, line 12 and ending at page 20, line 14 with the following paragraph(s):

A⁴
Referring to Figure 9, each scrambling code used in an uplink in a wide band code division multiple access communication system is a long code and has $2^{25}-1$ chip codes. Each scrambling code thus has a chip length of $2^{25}-1=33554431$.

Please replace paragraph(s) starting at page 25, line 9 and ending at page 26, line 2 with the following paragraph(s):

Referring to Figures 11a and 11b, two methods are used for selecting the channelization code. As shown in Figure 11a, in the OVSF code tree, a channelization code C_d of the data part is selected from codes having spreading factors 4 ~ 256 in a direction of an up branch $C_{SF,0}$ or $C_{SF,SF/2}$ from a node $C_{2,0}$ or $C_{2,1}$ having a spreading factor of 2. A code $C_{256,127}$ or $C_{256,255}$ located last in a direction of a down branch, i.e., a code having a spreading factor of 256, is selected as a channelization code C_c of the control part.

AS Referring to Figure 11b, a code $C_{256,0}$ or $C_{256,128}$ located last in a direction of an up branch from a node having a spreading factor of 2 is selected as a channelization code C_c of the control part, while a lower node of two nodes having a spreading factor of 4 generated from a node having a spreading factor of 2 is selected and one $C_{SF,SF/4}$, $C_{SF,3*SF/4}$ of codes having spreading factors 4 ~ 256 in a direction of the up branch from the selected lower node is selected as a channelization code C_d of the data part.

Please replace paragraph(s) starting at page 26, line 15 and ending at page 26, line 15 with the following paragraph(s):

A6

The number of scrambling codes = $\frac{32}{SF_{\min}}$ (2)

Please replace paragraph(s) starting at page ²⁹~~28~~, line 10 and ending at page 28, line 12 with the following paragraph(s):

A7

Referring to Figure 13, each scrambling code used in an uplink of a wide band code division multiple access communication system has $2^{25}-1$ codes as long codes. Each scrambling code has a length corresponding to $2^{25}-1=33554431$ chips.

Please replace paragraph(s) starting at page ⁴⁴~~43~~, line 10 and ending at page 43, line 10 with the following paragraph(s):

A8

In transmission of the PCPCH, the mobile station uses a node $C_{2,0}$ having a spreading factor of 2 on the OVSF code tree against all of the CA-AICHs as a channelization code. In other words, the mobile station uses a node $C_{256,0}$ as a channelization code of the control part in the message part of the PCPCH and a node $C_{SF,SF/4}$ variable depending on the spreading factor as a channelization code of the data part.